R E P O R T R E S U M E S

ED 011 551 VT 002 174

INSTRUCTIONAL MATERIALS CATALOG.

OHIO VOCAT. AGR. INSTR. MATERIALS SRVICE, COLUMBUS

PUB DATE 66

EDRS PRICE MF-$0.09 HC-$0.56 14P.

DESCRIPTORS- BOTANY, ANIMAL SCIENCES, *INSTRUCTIONAL MATERIALS, HORTICULTURE, AGRICULTURAL MECHANICS (PROCESSES), *VOCATIONAL AGRICULTURE, *AUDIOVISUAL AIDS, BIBLIOGRAPHIES, COLUMBUS

THE TITLE, IDENTIFICATION NUMBER, DATE OF PUBLICATION, PAGINATION, A BRIEF DESCRIPTION, AND PRICE ARE GIVEN FOR EACH OF THE INSTRUCTIONAL MATERIALS AND AUDIOVISUAL AIDS INCLUDED IN THIS CATALOG. TOPICS COVERED ARE FIELD CORPS, HORTICULTURE, ANIMAL SCIENCE, SOILS, AGRICULTURAL ENGINEERING, AND FARMING PROGRAMS. AN ORDER FORM IS INCLUDED. (JM)

ED011551

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL OFFICE OF EDUCATION POSITION OR POLICY.

INSTRUCTIONAL MATERIALS CATALOG

STEPS TO EFFECTIVE TEACHING

1. Decide upon Educational Objectives
2. Plan for Student Learning Experiences
3. ORDER INSTRUCTIONAL MATERIALS
4. Organize Learning Experiences for Teaching
5. Evaluate Learning Experiences

VT 02174

Ohio Vocational Agriculture
Instructional Materials Service
Room 201, 2120 Fyffe Rd.
Columbus, Ohio 43210

INSTRUCTIONAL MATERIALS

Vocational Agriculture teachers have the responsibility of developing curriculum for their local departments. An integral part of curriculum development is planning learning experiences for students. A complete library of instructional materials enables teachers to provide a wide range of meaningful learning experiences.

The materials listed in this catalog have been developed by teachers of vocational agriculture, curriculum specialists, technical specialists, and audiovisual personnel for use in teaching vocational agriculture

The charge for the materials is to provide funds to replace the items as they are sold out. Development costs are not included.

Use the order forms attached to the back of the catalog. A school purchase order or cash should accompany each order.

/mjs

FIELD CROPS Agdex 100

AN AID TO THE IDENTIFICATION OF 60 OHIO PLANTS, Agdex 100/40. Revised 1966, 23 pages. A brief description and illustration of the plants included in the Ohio agronomy and horticulture contests. It is written for student use. Price $.50.

SOME COMMON CROP AND WEED PLANTS, Agdex 100/40, 1966. A series of 79 color slides with script to accompany the publication " An aid to the identification of 60 Ohio Plants". The series includes overall views of plants as well as close ups of important details. Price $12.00

FUNDAMENTALS OF PLANT IDENTIFICATION, Student work sheets. Agdex 100/40. 1967, 10 pages. A set of student work sheets designed to familiarize students with the important identifying characteristics of plants. The work sheets should be used with the slide series of the same name and become a part of the student's notebook. Price$. 15

FUNDAMENTALS OF PLANT IDENTIFICATION, Agdex 100/40, 1966. A series of 18 color slides and script which illustrate, by means of sketches, the important identifying characteristics of plants. The student work sheets of the same name should be used with the series. Price $3.00.

SOME IDENTIFYING CHARACTERISTICS OF 52 OHIO SEEDS, Agdex 100/40, 1965, 16 pages. A brief description and illustration of the seeds included in the Ohio agronomy contest. The publication is designed for student use. Price $.80.

SOME COMMON CROP AND WEED SEEDS, Agdex 100/40, 1966, A series of 52 color slides and script to accompany the publication, "Some Identifying Characteristics of 52 Ohio Seeds". The series includes close up views of the crop and weed seeds included in the Ohio agronomy contest. Price $8.00.

SEED PRODUCTION OF SOME COMMON FIELD CROPS, Agdex 100/40, 1966, 65 pages. A student study manual which considers the importance of the seed industry, losses from using poor seed, how plants produce seeds, crop varieties, production of certified seed, and seed laws. Price $1.75.

SEED PRODUCTION EXAMINATION, Agdex 100/40, 1966. A suggested examination consisting of 48 objective questions that may be used with the publication "Seed Production of Some Common Field Crops". Price $.10.

RATE OF PLANTING CORN, A Laboratory Exercise, Agdex 111/32, 1963, 31 pages. A laboratory exercise designed to be used with a corn planting unit in the shop to check plate selection and accuracy of drop at different speeds of operation. Information concerning the most effective rate to plant corn is included. Nine full page charts that may be made into transparencies are included. Price $.50.

CORN ROOT DEVELOPMENT, Agdex 111/20, 1964, a series of 21 color slides with script, developed by Dr. Henry D. Foth, Department of Soil and Dr. Raymond Clark, Department of Agricultural Education, Michigan State University. The slides show the extent of corn root development at different stages of plant growth from the seedling stage to maturity. The soil has been carefully pulled away from the roots and the root pattern photographed. The corn was grown on medium textured soil and yielded well over 100 bushels per acre. Price $5.50.

MAIZE DWARF MOSAIC, Agdex 111/630, 1965. A series of 24 color slides and script. The slides and script were prepared by Dr. Lansing Williams of the Ohio Agricultural Research and Development Center. The series shows how to identify the disease, how it spreads and the available control measures. A copy of the Ohio Bulletin 460 "Maize Dwarf Mosaic" should be used as an additional reference source by the teacher. Price $4.80.

HORTICULTURE Agdex 200

LANDSCAPING YOUR HOME - A Teachers' Guide, Agdex 271, 1964, 72 pages. This is a guide to teachers who are starting to teach in a relatively unfamiliar field. The unit includes suggestions to teachers as to methods as well as to the major technical areas to be included. A number of suggested tests and student exercises are incorporated. Price $1.00.

ESTABLISHMENT AND MAINTENANCE OF LAWNS-A Teachers Guide, Agdex 273, 1965, 59 pages. This unit has been prepared as a guide to teachers. Technical information has been divided into logical areas for teaching. The establishment of new lawns and the maintenance of established lawns is included. Price $1.00.

CARE AND MANAGEMENT OF LAWNS, Agdex 273, 1965. A series of 41 color slides with script. May be used with the teachers guide "Establishment and Maintenance of Lawns". The series was developed by Dr. Robert W. Miller, Assistant Professor of Agronomy, The Ohio State University. It deals with the following areas of lawn management: Seed selection,seeding, fertilizing, mowing, weed control, disease control, watering, and thatch control. Price $6.00.

WHAT IS HORTICULTURE? Agdex 200, 1966. A series of 40 color slides and script. The major subject matter offerings in horticulture are described. Student school activities and job opportunities are considered. May be used with groups considering offering horticulture in their school or with beginning students. Price $6.00.

PRUNING FOR GARDEN BEAUTY, Agdex 275/24, 1966. A series of 21 color slides and script. Prepared by D.B. Lacey, Rutgers. Provides hints for pruning evergreens, flowering shrubs, roses, and trees. Price $3.25.

FLORICULTURAL CROPS, Agdex 280, 1966. A series of 60 color slides and script. The objective of this slide series is to introduce vocational horticulture students to the major floriculture crops produced in the United States today. Individual crops are discussed briefly as to types and varieties available, some of the specific cultural requirements, and the uses of the plants by the ultimate consumer. Price $9.50.

FLOWERS FOR GARDEN COLOR, Agdex 280, 1966. A series of 29 color slides and script. Prepared by D.B. Lacey and M.R. Harrison, Rutgers University. Describes how many common flowers may be used to their best advantage in landscape planning. Price $4.25.

ANIMAL SCIENCE Agdex 400

LIVESTOCK MARKETING, Agdex 400/840, 1966. A packet containing a 128 page manual and about 25 pamphlets and materials order forms. The manual presents a thirty point lesson outline and supplemental references. The pamphlets in the packet provide additional reference materials. Price $3.65.

DAIRY CATTLE STERILITY, Agdex 410/30, 1965. A series of 45 color slides and script. The slides illustrate both normal and abnormal conditions in the male and female reproductive tracts. The series has been organized into lessons that correspond to the lessons in the Hoard's Dairyman book "Dairy Cattle Sterility". Script prepared by Dr. Harry Barr, Dairy Science, O.S.U. Slides provided by Dr. Barr and Michigan State University Animal Reproduction Laboratory. Price $6.50.

STEER MANAGEMENT, Resource Unit, Agdex 420, 1964, 81 pages. The unit structures the subject matter for teaching, suggests approved practices, and supplies related information. Price $.75.

GESTATION LACTATION PERIOD MANAGEMENT of Sows and Gilts, Agdex 440/10, 1966. A series of 23 color slides and script. The slides and script were made available by Dr. R.F. Wilson, Animal Science, O.S.U. The series considers both feeding and management suggestions. It might be used to introduce the unit. Local or other research information may be added as needed. Both animated drawings and actual pictures are used. Price $3.75.

THE OHIO PORK IMPROVEMENT PROGRAM, Agdex 440/40. Revised 1966. A series of 18 color slides and script. Mr. Wilbur Bruner, Swine Extension Specialist O.S.U. provided the slides and edited the script. The major findings of the Swine Testing Station are presented in the series. Price $3.50.

HOW MUCH FEED IN REQUIRED TO PRODUCE A POUND OF PORK, Agdex 440/53, 1964, 10 pages. Information gathered from Iowa and Illinois research data. These are seven full page charts suitable for use with the overhead or opague projector. Price $.20.

CORN FERTILITY PRACTICES IN OHIO (Agronomy Series # 1) Agdex 540, 1962. A series of 49 color slides and script. The slides were provided by the O.S.U. Department of Agronomy Extension Service. The recommended fertility practices for corn are illustrated by the slides. The script provides a brief description of the slides. Price $7.35.

CORN PRODUCTION PRACTICES (Agronomy Series # 2) Agdex 510, 1962. A Series of 17 color slides and script. The slides were provided by the O.S.U. Department of Agronomy Extension Service. The series briefly covers minimum tillage and rate of planting. The script provides an extensive description of each slide. Price $2.55

INTERPRETING SOIL TESTS (Agronomy series # 3) Agdex 530, 1962. A series of 65 color slides and script. The slides were provided by the O.S.U. Department of Agronomy, Extension Service. The series discusses the extent of soil testing, liming, sampling, testing, recommendations, and fertility status. The script is brief as many slides are self explanatory. Price $9.75.

AGRICULTURAL ENGINEERING Agdex 700

CONCRETE MASONRY, Agdex 715, 1962. A series of 55 color slides and script. The series deals with the selection and handling of concrete blocks, preparing mortar, laying blocks, construction practices to insure durable walls, and cement painting. The series was prepared by the Ohio Vo-Ag. Service and the Portland Cement Association. Price $8.25.

MR. QUALITY CONCRETE, Agdex 715, 1965. A series of 40 color slides. The slides are self explanatory thus no script is provided. The slide series is designed to accompany the Portland Cement Association's "Concrete Technology" instructors guide available from the Portland Cement Association, 33 West Grand Avenue, Chicago, Illinois 60610. Copies have been distributed to Ohio teachers. The slide series is only available through the Ohio Vo-Ag. Instructional Materials Service. Price $6.00.

COMBINES AND COMBINING, Agdex 745, 1965, 82 pages. A manual structured for student use. It is extensively illustrated by means of line drawings, charts, graphs, and pictures. The subject matter is divided into the following areas. 1. What is the value of doing a good job of combining? 2. The basic design of the combine; 3. The operation of the combine, and 4. The economics of owning a combine. Price $0.75.

COMBINES AND COMBINING, EXAMINATION, Agdex 745, 1965. A suggested examination consisting of [illegible] objective questions that may be used with the publication Combines and Combining. Price $0.10.

COMBINES AND COMBINING, Agdex 745, 1965. A series of 30 color slides and script. The slide series is designed to accompany the manual Combines and Combining listed above. The slides have been selected from several hundred provided by the Allis Chalmers, J.I. Case, and International Harvester Companies. The design of the combine and how adjustments are made is illustrated. Price $4.50.

EFFICIENT MACHINE HARVESTING, Agdex 745, 1965. A series of 21 color slides. A series of slides developed by Dr. D.M. Byg, Extension Agricultural Engineer in connection with his corn harvesting loss surveys. The results are shown in graphic form on the slides. The Ohio Extension Service publication MM 268 Machine Losses-Corn should be available for teacher reference. This publication has been distributed to Ohio teachers. Price $3.50.

"MOWERS", Agdex 745, 1966, 58 pages. A student workbook designed to assist students in understanding the principles of cutterbar operation and in applying the knowledge to the operation and repair of the mower. An excellent reference for use with the workbook is "Field Mowers" produced by the American Association for Agricultural Engineering and Vocational Agriculture, Agricultural Engineering Building, Athens, Georgia, 30601. Price $0.75.

CONCRETE MASONRY, Agdex 715, 1962. A series of 55 color slides and script. The series deals with the selection and handling of concrete blocks, preparing mortar, laying blocks, construction practices to insure durable walls, and cement painting. The series was prepared by the Ohio Vo-Ag. Service and the Portland Cement Association. Price $8.25.

MR. QUALITY CONCRETE, Agdex 715, 1965. A series of 40 color slides. The slides are self explanatory thus no script is provided. The slide series is designed to accompany the Portland Cement Association's "Concrete Technology" instructors guide available from the Portland Cement Association, 33 West Grand Avenue, Chicago, Illinois 60610. Copies have been distributed to Ohio teachers. The slide series is only available through the Ohio Vo-Ag. Instructional Materials Service. Price $6.00.

COMBINES AND COMBINING, Agdex 745, 1965, 82 pages. A manual structured for student use. It is extensively illustrated by means of line drawings, charts, graphs, and pictures. The subject matter is divided into the following areas. 1. What is the value of doing a good job of combining? 2. The basic design of the combine; 3. The operation of the combine, and 4. The economics of owning a combine. Price $0.75.

COMBINES AND COMBINING, EXAMINATION, Agdex 745, 1965. A suggested examination consisting of 50 objective questions that may be used with the publication Combines and Combining. Price $0.10.

COMBINES AND COMBINING, Agdex 745, 1965. A series of 30 color slides and script. The slide series is designed to accompany the manual Combines and Combining listed above. The slides have been selected from several hundred provided by the Allis Chalmers, J.I. Case, and International Harvester Companies. The design of the combine and how adjustments are made is illustrated. Price $4.50.

EFFICIENT MACHINE HARVESTING, Agdex 745, 1965. A series of 21 color slides. A series of slides developed by Dr. D.M. Byg, Extension Agricultural Engineer in connection with his corn harvesting loss surveys. The results are shown in graphic form on the slides. The Ohio Extension Service publication MM 268 Machine Losses-Corn should be available for teacher reference. This publication has been distributed to Ohio teachers. Price $3.50.

"MOWERS", Agdex 745, 1966, 58 pages. A student workbook designed to assist students in understanding the principles of cutterbar operation and in applying the knowledge to the operation and repair of the mower. An excellent reference for use with the workbook is "Field Mowers" produced by the American Association for Agricultural Engineering and Vocational Agriculture, Agricultural Engineering Building, Athens, Georgia, 30601. Price $0.75.

FARMING PROGRAMS Agdex .40

BUDGET FACTS, Agdex .40/22, 1966, 40 pages. The purpose of this publication is to assist students and teachers in developing meaningful budgets for livestock and crop projects. Price $.40.

ORDER FORM

Materials Produced by
The Ohio Vocational Agriculture Instructional Materials Service

Order accepted at any time

Send Orders To:
Vocational Agriculture Instructional Materials Service,
The Ohio State University
Room 201, 2120 Fyffe Road,
Columbus, Ohio 43210.

Ship materials to:

_____
_____
_____
_____

Send invoice to:

_____
_____
_____
_____

*****ORDER FORM MUST BE ACCOMPANIED BY SCHOOL PURCHASE ORDER*****

No. of copies	Field Crops Agdex 100	Price	Cost
_____	An Aid to the Identification of 60 Ohio Plants (publication)	$ .50	_____
_____	Some Common Crop and Weed Plants (slide series)	$12.00	_____
_____	Fundamentals of Plant Identification, (work sheets)	$ .15	_____
_____	Fundamentals of Plant Identification (color slides)	$3.00	_____
_____	Some Identifying Characteristics of 52 Ohio Seeds (manual)	$ .80	_____
_____	Some Common Crop and Weed Seeds (slide series)	$8.00	_____
_____	Seed Production of Some Common Field Crops (publication)	$1.75	_____
_____	Seed Production Examination	$ .10	_____
_____	Rate of Planting Corn (publication)	$ .50	_____
_____	Corn Root Development (slide series)	$5.50	_____
_____	Maize Dwarf Mosaic (slide series)	$4.80	_____

Horticulture Agdex 200

_____	Landscaping Your Home (publication)	$1.00	_____
_____	Establishment and Maintenance of Lawns (publication)	$1.00	_____
_____	Care and Management of Lawns (slide series)	$6.00	_____
_____	What is Horticulture (slide series)	$6.00	_____
_____	Pruning for Garden Beauty (slide series)	$3.25	_____
_____	Floricultural Crops, (slide series)	$9.50	_____
_____	Flowers for Garden Color, (slide series)	$4.25	_____

ORDER FORM page 2

No. of copies		Price	Cost
_____	Livestock Marketing (manual and pamphlets)	$3.65	_____
_____	Dairy Cattle Sterility (slide series)	$6.50	_____
_____	Steer Management (publication)	$ .75	_____
_____	Gestation Lactation Period (slide series)	$3.75	_____
_____	The Ohio Pork Improvement Program (slide series)	$3.50	_____
_____	How Much Feed is Required t Produce a Pound of Pork (P)	$ .20	_____

Soils Agdex 500

_____	Agronomy slide series # 1 Corn Fertility Practices	$7.35	_____
_____	Agronomy slide series # 2 Corn Production Practices	$2.55	_____
_____	Agronomy slide series # 3 Interpreting Soil Tests	$9.75	_____

Agricultural Engineering Agdex 700

_____	Concrete Masonry (slide series)	$8.25	_____
_____	Mr. Quality Concrete (slide series)	$6.00	_____
_____	Combines and Combining (Manual)	$ .75	_____
_____	Combines and Combining examination	$ .10	_____
_____	Combines and Combining slide series	$4.50	_____
_____	Efficient Machine Harvesting (slide series)	$3.50	_____
_____	Mowers (publication)	$ .75	_____

Agricultural Economics Agdex 800

_____	Farm Business Planning, Adjusting building, equipment	$ .10	_____
_____	Farm Business Planning and Analysis (publication)	$ .25	_____
_____	Farm Business Planning and Analysis Teaching units (P)	$ .50	_____
_____	Farm Records - A Management Tool (manual)	$1.00	_____
_____	Farm Business Planning and Analysis filing system	$1.00	_____
_____	Business Procedures Used in the Agricultural Services (P)	$2.25	_____
_____	Test and Answer Supplement for Business Procedures	$2.00	_____

Farming Program Agdex .40

_____	Budget Facts (publication)	$ .40	_____